

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
20 October 2005 (20.10.2005)

PCT

(10) International Publication Number
WO 2005/097215 A1

(51) International Patent Classification⁷: **A61L 11/00**,
B02C 18/40, A61L 2/20, B09B 3/00

(21) International Application Number:
PCT/CA2005/000516

(22) International Filing Date: 5 April 2005 (05.04.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2,463,238 5 April 2004 (05.04.2004) CA

(71) Applicant and
(72) Inventor: **KLAPTCHUK, Peter** [CA/CA]; Box 26030,
1850 Industrial Drive, Regina, S S4R 8R7 (CA).

(74) Agent: **FURMAN, Cory J.**; Furman & Kallio, 1400 -
2002 Victoria Avenue, Regina, s S4P 0R7 (CA).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

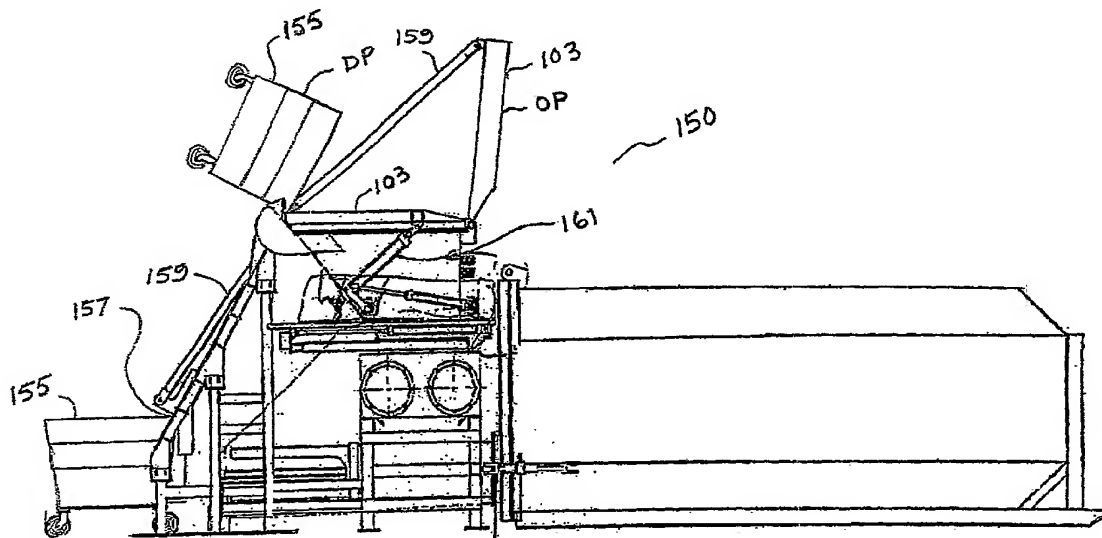
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM,
PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,
ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: TREATMENT OF BIOMEDICAL WASTE



(57) Abstract: An apparatus for processing biomedical waste comprises a waste input container having an input door in a top thereof and an output door in a bottom thereof. A shredder is mounted under the output opening and is operative to shred waste to a desired maximum size. A processing chamber is located under the shredder such that, when the output door is open, solid waste deposited in the waste input container passes through the output opening and through the shredder, and shredded waste drops into the processing chamber. Ozone gas is directed into the processing chamber, and an ozone indicator indicates ozone concentration. Exhausts are selectively operative to exhaust the atmosphere from the processing chamber and waste input container.

WO 2005/097215 A1